

W. R. GRACE
MATERIAL SAFETY DATA SHEET

Product Name: Perm-A-Barrier WB Primer

MSDS ID Number: M-85789

MSDS Date: 08/20/2007

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Perm-A-Barrier WB Primer
MSDS Number: M-85789
Cancelled MSDS Number: M-85734
MSDS Date: 08/20/2007
Chemical Family Name: Vinyl acetate-dioctyl maleate -2 ethylhexyl acrylate polymer dispersion in water
Product Use: Horizontal and Vertical Grade Primer
Chemical Formula: Mixture-NA
CAS # (Chemical Abstracts Service Number): Mixture-NA

Manufactured by:

W.R.Grace & Co.-Conn.
62 Whittemore Avenue
Cambridge, MA 02140

Grace Canada, Inc.
294 Clements Road West
Ajax, Ontario L1S 3C6

In Case of Emergency Call:

In USA: (617) 876-1400 In Canada: (905) 683-8561

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS#	Percent (max)
Diethylene glycol dibenzoate	000120-55-8	1-10
Phenol, styrenated	061788-44-1	1-10
Propanol, oxybis-, dibenzoate	027138-31-4	1-10
Vinyl acetate	000108-05-4	< 1

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview:

Warning!

Causes eye irritation.
Causes skin irritation.
Causes respiratory tract irritation.
May be harmful if ingested.
Causes digestive tract irritation if ingested.

HMIS Rating:

Health: 2
Flammability: 1
Reactivity: 0
Personal Protective Equipment: H (See Section 8)

Potential Health Effects:

Inhalation: Spray applications of this material may create aerosols which may be irritating to the upper respiratory tract, nose, and throat.

Prolonged inhalation may cause respiratory tract irritation.

Effects include: No other effects expected unless listed below.

Eye Contact: Spray applications of this material may create aerosols which may be irritating to the eyes.

Prolonged eye contact can result in redness and itching.

Skin Contact: Skin contact causes irritation.

Prolonged skin contact can result in irritation causing redness and itching.

Skin Absorption: Not expected to be harmful if absorbed through the skin.

Ingestion: Harmful if ingested.

If ingested, causes irritation to the linings of the mouth, esophagus and stomach.

Effects include the following: No other effects expected unless listed below.

SECTION 4 - FIRST AID MEASURES:

Skin Contact: If discomfort or irritation persists, consult a physician.

In case of skin contact, clean fingernails and wash skin with soap and water. If residue remains, clean with waterless handcream or abrasive soap. If irritation develops, consult a physician.

Remove contaminated clothing and wash before reuse.

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Eye Contact: If discomfort or irritation persists, consult a physician.

Flush eyes with water for at least 15 minutes while holding eyelids open.

Ingestion: If discomfort or irritation persists, consult a physician.

Never give anything by mouth to an unconscious person.

Do not induce vomiting.

Inhalation: If symptoms develop, get fresh air. If symptoms persist, consult a physician.

If breathing has stopped, give artificial respiration then oxygen if needed.

SECTION 5 - FIRE AND EXPLOSION HAZARD DATA

Flash Point: NA Aqueous Solution

Flash Point Method: Not Applicable

Lower Explosion Limit: Not Available

Upper Explosion Limit: Not Available

Auto-Ignition Temperature: Not Available

NFPA Rating:

Health: 1

Flammability: 1

Reactivity: 0

Extinguishing Media: In case of fire, use water spray, dry chemical, Carbon dioxide or alcohol foam.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and complete personal protective equipment when potential for exposure to vapors or products of combustion exist. Isolate area and keep unnecessary people away.

Unusual Fire and Explosion Hazards: None known for this product.

SECTION 6 - ACCIDENTAL RELEASE MEASURES:

Spills/Leaks: Prevent spills from entering drinking water supplies, streams, or sewers.

Collect material with an inert, noncombustible material and remove for disposal.

SECTION 7 - HANDLING AND STORAGE

Precautionary Measures: Avoid contact with eyes, skin and clothing.

Do not take internally.

Practice good personal hygiene to avoid ingestion.

Use only with adequate ventilation.

Wash clothing before reuse.

To avoid skin contact, use gloves or barrier creams. Promptly cleanse hands with waterless hand cleaner, clean fingernails and wash with soap and water after handling.

FOR PROFESSIONAL USE ONLY. KEEP OUT OF CHILDREN'S REACH.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

EXPOSURE GUIDELINES (US)

Ingredient	ACGIH TLV			OSHA PEL			Other
	TWA	STEL	Ceiling	TWA	STEL	Ceiling	
Diethylene glycol dibenzoate	-	-	-	-	-	-	-
Phenol, styrenated	-	-	-	-	-	-	-
Propanol, oxybis-, dibenzoate	-	-	-	-	-	-	-
Vinyl acetate	10 ppm TWA	15 ppm STEL	-	10 ppm TWA; 30 mg/m3 TWA	20 ppm STEL; 60 mg/m3 STEL	-	-

EXPOSURE GUIDELINES (CANADA)

Employers should consult provincial regulatory limits for exposure guidelines which may vary locally.

Engineering Controls:

Not generally required.

Personal Protective Equipment:

Respiratory Protection: Respiratory protection is required during spray application. A dust/mist respirator such as a 3M Type P-95 or 3M Type 3-95 with organic vapor protection (or equivalent) is adequate. Specific working conditions, which must be assessed periodically, may require an increased level of respiratory protection. A respirator equipped with organic vapor cartridges may be required indoors and in other poorly ventilated areas. Respirators may not be required during non-spray applications and other specific situations. In all cases, maintain exposures below governmental limits specified in Section 2. (See

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Work/Hygenic Practices for additional information.)

Skin Protection: Impervious (PVC, latex or nitrile) gloves should be worn anytime direct contact is possible.

Eye Protection: Wear goggles to prevent exposure to high vapor or mist concentrations. Wear goggles or safety glasses with side shields and a full-face shield to prevent contact due to splashing.

Work/Hygenic Practices: Work clothing with long sleeves/long pants and work boots must be worn. Clothing must be laundered before reuse. Disposable tyvek suits may be used during spray applications. None beyond those noted above.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Appearance/Odor:	Green viscous solution slight vinegar odor
Odor Threshold: (ppm)	Not Determined
pH:	4.0-5.5
Vapor Pressure: (Mm Hg)	Unknown
Vapor Density: (Air = 1)	Unknown
Solubility In Water:	Complete
Specific Gravity: (Water = 1)	~1.0
Evaporation Rate: (Butyl Acetate = 1)	Unknown
Boiling Point:	>100°C/212°F
Viscosity:	Unknown
Bulk Density: (Pounds/Cubic Foot)(Pcf)	Not Applicable
% Volatiles (gr/L): (70°F) (21°C)	Not Available

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:	Stable
Conditions To Avoid:	None known for this product.
Hazardous Polymerization:	Will not polymerize.
Hazardous Decomposition Products:	None known for this product.

SECTION 11 - TOXICOLOGICAL INFORMATION

<u>Ingredient(No data unless listed.)</u>	<u>CAS Number</u>	<u>LD50 and LC50</u>
Diethylene glycol dibenzoate	000120-55-8	Oral LD50 Rat : 2830 mg/kg; Dermal LD50 Rabbit : 20 mL/kg

Carcinogenicity:

Ingredient	IARC Group 1	IARC Group 2A	IARC Group 2B	NTP Known	NTP Suspect	OSHA
Diethylene glycol dibenzoate	No	No	No	No	No	No
Phenol, styrenated	No	No	No	No	No	No
Propanol, oxybis-, dibenzoate	No	No	No	No	No	No
Vinyl acetate	No	No	Yes	No	No	No

Extended inhalation and ingestion exposure to high concentrations of Vinal acetate in animal rodent studies have resulted in increased tumor incidence. The relevance of these findings in humans is inconclusive.

Mutagenicity:	No information available.
Teratogenicity:	No information available.
Reproductive Toxicity:	No information available.

SECTION 12 - ECOLOGICAL INFORMATION

Environmental Fate:	No data available for product.
Ecotoxicity:	No data available for product.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal Procedures:	Consult all regulations (federal, state, provincial, local) or a qualified waste disposal firm when characterizing waste for disposal. According to EPA (40 CFR § 261), waste of this product is not defined as hazardous. Dispose of waste in accordance with all applicable regulations.
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SECTION 14 - TRANSPORTATION INFORMATION

Proper Shipping Name:	Not Applicable
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UN/NA Number:	Not Applicable
Domestic Hazard Class:	Nonhazardous
Surface Freight Classification:	Not Applicable
Label/Placard Required:	Not Applicable

SECTION 15 - REGULATORY INFORMATION

REGULATORY CHEMICAL LISTS:

CERCLA (Comprehensive Response Compensation and Liability Act):

(None present unless listed below)

<u>Chemical Name</u>	<u>CAS #</u>	<u>Wt %</u>	<u>CERCLA RQ</u>
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SARA Title III (Superfund Amendments and Reauthorization Act)

SARA Section 312/Tier I & II Hazard Categories:

Health Immediate (acute)	Yes
Health Delayed (chronic)	No
Flammable	No
Reactive	No
Pressure	No

302 Reportable Ingredients (Identification Threshold 1%):

<u>Chemical Name</u>	<u>CAS #</u>	<u>Wt %</u>	<u>SARA 302 TPQ</u>
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313 Reportable Ingredients (Chemicals present below reporting threshold are exempt):

<u>Chemical Name</u>	<u>CAS #</u>	<u>Wt %</u>
Vinyl acetate	000108-05-4	.45

National Volatile Organic Compound Emission Standards For Architectural Coatings:

Volatile Organic Content: (gr/L) < 10 g/l

WHMIS Classification(s): D2 B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR). This MSDS contains all the information required by the CPR.

State Regulatory Information:

California Proposition 65: This product does not contain substances known to the state of California to cause cancer, birth defects or other reproductive harm.

Massachusetts Hazardous Substance List(Identification threshold 0.001%(1ppm)):

<u>Chemical Name</u>	<u>CAS #</u>	<u>Wt %</u>
Vinyl acetate	000108-05-4	.45

New Jersey Hazardous Substance List(Identification threshold (0.1%)):

<u>Chemical Name</u>	<u>CAS #</u>	<u>Wt %</u>
Vinyl acetate	000108-05-4	.45

Pennsylvania Hazardous Substance List(Identification threshold 0.01%):

<u>Chemical Name</u>	<u>CAS #</u>	<u>Wt %</u>
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CHEMICAL INVENTORY STATUS:

All chemicals in this product are listed or exempt from listing in the following countries:

US	CANADA		EUROPE	AUSTRALIA	JAPAN	KOREA	PHILIPPINES
TSCA	DSL	NDSL	EINECS/ELINCS	AICS	ENCS	ECL	PICCS
Yes	Yes	No	Not Determined	Not Determined	Not Determined	Not Determined	Not Determined

SECTION 16 - OTHER INFORMATION

Non-Hazardous Ingredient Disclosure:

Chemical Name

Water

2-Butenedioic acid (2Z)-, dioctyl ester, polymer with etheny/acetate and 2-ethylhexyl 2-propenoate

CAS Number

007732-18-5

025280-35-7

Prepared by: EH&S Department

Approved by: EH&S Department

Approved Date: 08/20/2007

Disclaimer:

"The data included herein are presented in accordance with various environment, health and safety regulations. It is the responsibility of a recipient of the data to remain currently informed on chemical hazard information, to design and update its own program and to comply with all national, federal, state and local laws and regulations applicable to safety, occupational health, right-to-know and environmental protection."